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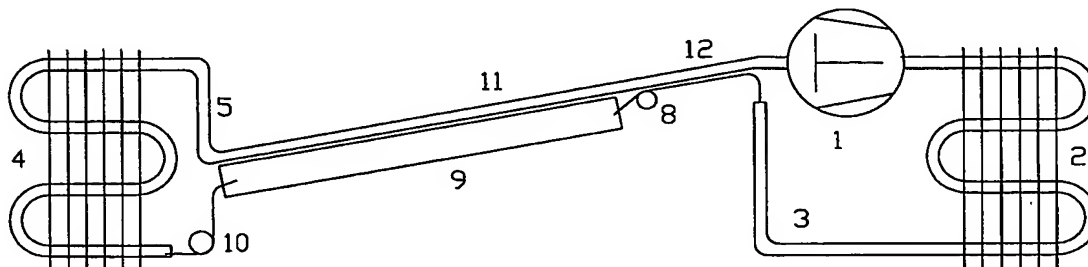
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(54) Title: CIRCUIT WITH TWO-STEP CAPILLARY TUBE THROTTLING AND RECEIVER



(57) Abstract: A Thermostatic Flow Controller composed of two capillary tubes and a tube form receiver, placed in thermal contact with the suction line. It makes a robust, hermitic closed device, without any moveable parts, no need for adjustment or service and therefor suited for inaccessible placement - for instance encapsulated in isolation foam. The flow of refrigerant to the evaporator is controlled by the pressure in the receiver - and the pressure in the receiver is controlled by the need for refrigerant in the evaporator. This balance ensures that the evaporator is flooded, and thereby exploited 100% - for all kind of charges. The invention is suited for small household freezers and refrigerators. For a small extra cost, it replaces the traditional capillary tube, and makes these devices working optimal on both cold and warm locations, and makes the manufacturing more easy because the amount of refrigerant is no longer critical as it is for traditional capillary tubes.

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